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PWT
Pacific Western Technologies

received
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November 15, 1999

Mr. Donnie L. Chumbler
Bechtel Jacobs Company LLC
West Kentucky Technology Park
761 Veteran Avenue
Kevil, Kentucky 42053

Subject: **Handling and Inspection of DOE 48-Inch-Diameter UF6 Cylinders**

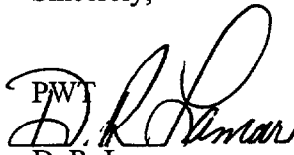
Dear Mr. Chumbler:

Pacific Western Technologies is pleased to submit a surveillance of Handling and Inspection of DOE 48-Inch-Diameter UF6 Cylinders. This monitoring activity was performed in the K and G Cylinder Yards on November 27, 1999 and consisted of visual observations and a procedure review.

The attached monitoring report and checklist was developed from procedure FS-C-2400, *Handling and Inspection of DOE 48-Inch-Diameter UF6 Cylinders*. There were no discrepancies noted during this Quality Assurance Monitoring activity and the surveillance is considered closed.

If you have any questions please feel free to call me at (270) 441-5161.

Sincerely,


PWT
D. R. Lamar
Quality Engineer

Enclosure

C: Ken Campbell, PWT/OR
Emily J. Blasdel
J. C. Dowdy
File-EMEF-DMC-PAD-RC (2)

PWT- Oak Ridge, TN
PWT- Paducah, KY
Bechtel Jacobs Company – Paducah

Q-00004-0290



QUALITY ASSURANCE MONITORING REPORT

Type: Surveillance

Title: Configuration Management (UF6 Cylinder Program)

Number: PQA-SU-99-0236

Organization: Enrichment Facilities

Location: Cylinder Yards K and G

Date(s): November 5, 1999

Project Number: RADOY23T

Purpose: The reason this monitoring activity is being performed is because of the Configuration Management surveillance schedule. The schedule requires surveillances and the STR agreed to a surveillance of UF6 Cylinder relocation from K-Yard to G-Yard.

Basis: The reference documents for the surveillance is as follows:

- FS-C-2400, *Handling and Inspection of DOE 48-Inch-Diameter UF6 Cylinders*

Checklist: See attached Checklist

Person's Contacted: The following personnel were contacted during this monitoring activity:

- J. C. Dowdy, STR, Bechtel Jacobs Company LLC
- M. D. Rogers, USEC
- V. F. Bryant, USEC

Results Summary:

This monitoring activity included visual observations of cylinder inspection prior to lifts, lifting operations, transport of cylinders by NCH 35F Cylinder haulers from K-Yard to G-Yard, and cylinder placement after re-location. All activities observed were considered to be in compliance with the evaluation criteria. After the monitoring activity was completed the result was discussed with the USEC Chemical Operation's supervisor and the Bechtel Jacobs Company LLC tasks lead.

The surveillance is considered closed.

SURVEILLANCE PLAN, CHECKLIST, AND REPORT FORM

Surveillance No: PQA-SU-99-0236 Title: Configuration Management (UF6 Cylinder Program) 10-27-99
Project: QA Support, Cylinder Program Follow-up to Surveillance No.: N/A
(If applicable)

Surveillance Plan: Observe UF6 Cylinders being relocated from K-Yard to G-Yard

Scope: Review Chemical Operations Maintenance Mechanics adherence to step-by-step actions of approved procedure

Requirements: Perform work in accordance with procedure FS-C-2400, Handling and Inspection of DOE 48-Inch-Diameter UF6 Cylinders.

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Item	Surveillance Characteristic	A;F;O;P	PAAA y/n	Remarks
1	Operators and cylinder handlers are required to have immediate access to communication equipment to report spills during cylinder lifting and handling activities	A	N	Radio's were available
2	Positioning any part of your body under a suspended cylinder may result in severe injury or death.	A	N	Chemical Operations personnel and Maintenance Mechanics personnel were careful not to position any part of their body under suspended cylinders.
3	Personnel assigned to operate cylinder handlers or other cylinder handling equipment shall have completed training and be qualified to operate the equipment in accordance with site requirements	A	N	Training records indicate that personnel has completed the appropriate training
4	Personnel relocating and/or inspecting cylinders shall have completed documented training on this procedure.	A	N	Training records indicate that personnel has completed the appropriate training
5	All personnel assigned to move cylinders containing fissile material are qualified Fissionable Material Handlers.	A	N	Training records indicate that personnel moving cylinders are qualified Fissionable Material Handlers
6	Inspectors and Cylinder Handler Operators sign and comply with the cylinder yard Radiological Work Permit (RWP)	A	N	Inspectors and Cylinder Handler Operators have signed on the RWP.
7	Cylinder Handler Operators perform pre-use inspection of the assigned cylinder handling equipment using site checklist that incorporated the applicable daily equipment checklist requirements of Appendix B of procedure FS-C-2400, Rev. 1.	A	N	Pre-use inspection of handling equipment performed using site checklist that incorporated the applicable daily equipment checklist requirements of Appendix B.

SURVEILLANCE PLAN, CHECKLIST, AND REPORT FORM

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8	The pre-relocation visual inspection includes pre-lift and post-lift inspections of the cylinder.	A	N	Pre-location inspection included pre-lift and post-lift inspections of cylinders.
9	Cylinders are inspected using the DOE 48-Inch Diameter UF6 Cylinder Inspection checklist or CII pen-based computer	A	N	CII pen-based computer was used
10	Prior to transporting the cylinder the Inspector completed the pre-relocation inspection and the pre-relocation checklist.	A	N	Inspections completed and documented
11	Inspector conducted a post-relocation visual inspection in accordance with the instructions on the DOE UF6 Cylinder Inspection checklist.	A	N	Post-relocation inspection completed and documented

Legend: A: Acceptable F: Finding O: Observation P: Proficiency
 y: Potential PAAA review recommended n: PAAA review not recommended

Planned by: D. R. Lamar 10/27/99 Report Completed: D. R. Lamar 10/27/99
 Evaluator Date Evaluator Date

Plan Approved: _____ Report Approved: _____
 Subject Matter Expert Date Reviewer Date